

Determination of a Base for the Proper Function  
and of the Corresponding Norm for the Boltzmann  
Integral-Differential Equation at a Given Velo-  
city and in a Spherical Configuration, by Pierre  
Lafore, 48 pp.

FRENCH, rpt. Commissariat à l'Energie Atomique,

CEA-R 2926, 1965. P911064367-V

AMC ORNL-Tr-1505

Sci-Math  
Apr 68

352,152

Radio-Isotope Converter, by Thierry Alleau,  
Bernard Devin, 15 pp.  
FRANCE, rpt, CEA-R-2708, June 1966.  
AEC/ORNRL-Tr-1389-69

Sci/Phy  
Jan 70

411,177

Detection of Hard Beta Radiation in Water  
Using the Cherenkov Effect, by B. Turck.  
FRENCH, rpt, Commissariat à l'Energie  
Atomique, Saclay, Centre d'Etudes Nucléaires,  
CEA Report #R 2915, 1966, 66 p.  
NASA TT F-11,793

Sci.  
Dec 68

371,160

Gamma Radiation in Space and in the Atmosphere,  
by Robert Rocchia, 74 pp.  
FRENLI, rpt, CEA-R-2939, 1966.  
AEC/DRNL/Tr-2099 -69

Sci/Phy  
Apr 69

377,409

The Resonance Probe, by D. Lepachinsky.  
FRENCH, rpt, Commissariat à l'Energie Atomique,  
Centre d'Etudes Nucléaires, Saclay, CEA-R-  
29A5, 1966, 31 p.  
NASA TT F-11,666

Sci  
Dec 68

371,098

Solution of Some Problems of Multiple Scattering by the Monte-Carlo Method, by  
Jean-Claude Bluet,  
FRANCE, rpt, CIA-R-2971. P911101067  
ACG-0001-TR-1546

Sci-Pays  
Apr 67 324,670

Preparation and Study of the Nitrides and  
Carbonyrides of Uranium and of Plutonium, by  
François Amelin, 89 pp.  
FRENCH, rpt, Report CIA-R-2988, June 1966.  
P911300767-V  
ANG LA Tr-67-24

336,951

Sect - Materials  
Sep 67

Corrosion of Niobium by Circulating Liquid  
Sodium at 400 to 600°C, by Jacques Samier,  
Louis Champsix, 12 pp.  
FRENCH, ryt, CEA-R-3028, Oct 1966.  
F911G06168  
AMC OML-TR-1832

Sci-Chemistry  
Feb 68

347,503

Experimental Determination of the Backscattering  
Factor in X-Ray Microanalysis, by Jean-Claude Berian,  
85 pp.  
FRENCH, Thesis, CEA-R-3052  
AEC/EA/Tr-68-38

Sci/Phy  
Feb 69

374,235

Mixed  $^{3}\text{He}$  and  $^{4}\text{He}$  Calorimeter. Very Low Temperature Calorimetry, by Olivier Testard.  
FRENCH, rpt, CEA-R-3073.  
AEC-ANL-Trans-564

Sci-Chem  
Jul 68                    357,306

Calculation of the Forces Acting on an Impurity  
of a Metal Subjected to a Temperature Gradient,  
by M. Gerl.

FRENCH, rpt, Commissariat à l'Energie Atomique,  
Saclay, France, Report CEA-R3096, Dec 1966,

37 pp.

\*NASA TT I-11,409

Sci/Phys  
Mar 68

Criticality Guide, Part I. Introduction to  
Criticality, Part II. Practical Rules, by  
PRINCETON, Sept., CNA-A-5114.

\*AEC AEC

Sci-Info's  
Jan 68

Study of the Diffusion of Some Elements in Magnesium,  
by L. Krishan.

FRENCH, rpt, CEA-R 3136, 1966.

\*NTIS TT 72-53106

Aug 72

Numerical Program for the Two-Dimensional  
Analysis of the Thermodynamic Behavior of a  
Boiling Liquid, by Maurice Fajau and Jean-  
Pierre Saunier, 47 pp.

FRENCH, rpt, CEA Report R 3141.

P911387567

AMC WAPD-TRANS-74

Sci-Math

Dec 67

346,209

Study of Gamma-Radiation Between 0.1 and 1 MeV  
in the Earth's Atmosphere, by Daniel Boclet,  
93 pp.

FRENCH, rpt, CEA-R-3177.  
AEC/ORNL-Tr-2207-69

Sci/Phy  
Jan 70

411,162

Study of Thermocouples For Measurement of High Temperatures, by  
M. Villamayor.  
FRENCH, rpt, Commissariat a l'Energie  
Atomique, Centre d'Etudes Nucleaires  
de Saclay, Report CEA-R-3182,  
January 1967, 111p.  
NASA TT F-11,623

Sci/Phys  
Oct 68

369,151

REF ID: A4 (UCRL-Trans-10587) IONIZATION OF HYDROGENOID ATOMS BY A MULTIPHOTONIC ABSORPTION PROCESS.  
Gontier, Yves; Trahin, Michel (Commissariat a l'Energie Atomique, Saclay (France). Centro d'Etudes Nucleaires).  
Translated for Univ. of California, Lawrence Livermore Lab., Livermore, from report CEA-R-3192. 27p. 24Dep. NTIS.

24physics; translations 2420

28MN-34 29P NSA

Propagation of Thermal Neutron in Mock-Up  
Screw-Shaped Steel Elements With Water Protection,  
by G. Devillers.

FRENCH, rpt, CEA-R-3196, Apr 1967.

\*AEC 127-27

Sci.-Phys

Jul 68

Study of the Reactions  $\text{ClF}_3\text{-UO}_2\text{F}_2$  and  
 $\text{ClO}_2\text{F-UO}_2\text{F}_2$ , by Michel Luce and Oliver  
Hartmann, 19 pp.  
FRANCE, rpt, CEA-R 3210, Mar 1967.  
P911410167  
AM: AHL-TRANS-524

Sci-Nuclear Sci  
Feb 68

347,512

Preparation De<sup>198</sup>Au Exempt De<sup>199</sup>Au, by A. Cappros,

10 pp.

FRENCH, rpt, Centre D'Etudes Nucleaires de Saclay,

CNA-R 3239, May 1967.

AEC/ONNL-Tr-2311-70

Sci/Nucl

Nov 70

Preparation of Ingots of Uranium from Double  
Fluorides, by Emile Le Boulben,  
FRENCH, inst., Centre d'Etudes Nucl de Saclay,  
CER-R-3248.  
"AEC-CRNL-tr-1828

Sci-Meth and Equip  
Jan 68

The Marcur 3 Program: Straight-Line Attenuation in a Three-Dimensional Geometry, by Christian Devillers, 45 pp.  
FRENCH, rpt, CEA-R 3264. P911042068  
AEC ORNL-TR-1812

Sci-Math  
Mar 68

350,661

Contribution to the Study of the Evaporation of  
Aqueous Solutions of Uranyl Nitrate, by J. Billy.  
FRENCH, per, CHA-R-3265.,  
AAEC LIB/TRANS 165

Sci/Chem  
July 69

384 - 563

Interactions Between Impurities and Defects  
Created by Irradiation in Iron, by P. Vigier.  
110 pp.

FRINCH, per, CEA-R-3280, 1968, pp 1-109.  
\*NBS TT 70-57685

Sci-Mat  
Jul 70

Activation Analysis with Photons, by  
C. Englemann,  
MENCH, rpt, CEA-R-3307, Dec 1967, pp 1-39.  
AFRL

Sci-Matl Sci  
Nov 69

Effect of High Hydrostatic Pressures on the Self-Diffusion of Uranium and the Noble Metals, by M. Beyeler.

FRENCH, per, CEA-R-3316, 1967, pp 1-29.

\*NTIS/NBS TT 71-55337

Available NBS Only

July 71

Isotopic Analysis of Uranium Hexafluoride  
Highly Enriched in U-235, by Louis Chaussy.  
FRENCH, rpt, CEA-R-3337.  
\*AEC

Sci-Phys  
Feb 69

Study of the Penetration of Aerosols into  
Filter Beds, by Hassan Parnianpour, 52 pp.  
FRENCH, rpt., CEA-R-3347, 1967.  
AEC-ANL-Tr-655 P911275568-V

Sci/Chem  
Nov 68

368,920

Reaction of Uranium and Plutonium Carbides  
with Austenitic Steels, by M. Nouchino.  
FRENCH, rpt, CEA R-3353.  
NLL Ref: 9091 9F (Downreay 331)

Sci-Mat  
Jan 69

.373,617

DELMAS, R. Isotopic exchange between molecular hydrogen and liquid ammonia catalyses by the alkaline amine  
CEA-R-3377. (AAEC LIB/TRANS 213)

4/5/2  
4(BNWL-tr-67) PURIFICATION OF THE SODIUM FOR  
RAPSO DIE. Giraud, B. (Commissariat à l'Energie Atomique,  
Cadarache (France). Centro d'Etudes Nucléaires). Translated  
by Elizabeth Appleby (Battelle-Northwest, Richland, Wash.), from  
report CEA-R-3395. 61p. Dep. NTIS.

chemical engineering; reactor cooling; reactors--research; trans-  
lations 2707A, 181, 18M

28 MN-80 29 P NSA

Kinetic Study of the Reaction of Nitrogen with  
Uranium Monocarbide, by F. J. Herrmann  
FRENCH, rpt, CEA-R-3398, 1968.  
\*AEC/ORN-L-Tr-2125

Sci/Chem  
Apr 69

Application of Thermodynamics to the Improvement of  
the Method of Industrial Purification of Resistant  
Metals and Semimetals, by Andre Accary.  
FRENCH, rpt, CEA-R-3390, 1968,  
\*AEC

Phys  
July 69

Fundamental Relations between Transfer of Energy  
per Unit of Length Absorbed Dose, Kerna and  
Exposure. Application to Changes of Medium, by  
Henri Joffre, Lucien Pages, 39 pp.  
FRENCH, rpt, CEA-R 3424, Feb 1968.  
AEC/ORNL/Tr-1555-69

Sci/Nucl  
Jun 69

382,699

Localization of Alpha Emitters by Damage Production  
in a Thin Film. Application to the Study of Alpha  
Emitter Diffusion in Irradiated Samples, by  
B. Houdaille. 25 pp.

FRENCH, rpt, CEA-R-3426, 1968, pp 1-24.

\*NBS TT 70-57684

Sci-Phys  
Jul 70

(WAPD-Trans-128) FUNDAMENTAL EQUATIONS OF  
TWO-PHASE FLOW. PART I. GENERAL EQUATIONS OF CON-  
SERVATION. Delhaye, Jean-Marc (Commissariat à l'Energie  
Atomique, Grenoble (France). Centre d'Etudes Nucléaires).  
Translated for Bettis Atomic Power Lab., West Mifflin, Pa., from  
report CEA-R-3429-1. 94p. CFSTI.

fluid mechanics; translations

ND-38 P RC

1968

Unlimited

*BET* (WAPI)-Trans-129) FUNDAMENTAL EQUATIONS OF  
TWO-PHASE FLOW. PART II. ADDITIONS AND REMARKS.  
Delhayé, Jean-Marc (Commissariat à l'Energie Atomique,  
Grenoble (France). Centre d'Etudes Nucléaires). Translated  
for Bettis Atomic Power Lab., West Mifflin, Pa., from report  
CEA-R-3429-2, 64p.

fluid mechanics; translations

ND-38 P RCO

Unlimited

Uranium Self-Diffusion in Uranium Monocarbide, by  
P. Villaine.

FRENCH, rpt, CREA-R-3436, 1968, pp 11-64.

\*NTIS/NBS TT 71-55336

Available NBS Only

July 71

Causes of Accidents near Accelerators and Radiation  
Protection Measures, by Henri Joffre, Henry Viallettes,  
20 pp.  
FRENCH rpt., CEA-R 3443, Jan 1968.  
AEC/ORNL-Tr-2056-68

Sci/Nucl  
Sept 69

392,235

Study of a Decaying Helium Plasma Having a High  
Neutral Particle Density, by Robert DeLoche,  
29 pp.  
FRENQ1, rpt, CEA-R-3450, March 1968.  
AEC/SC/T-69-1001

Sci/Phy  
Apr 69

377,412

(AI-Trans-289) AEROSOLS PRODUCED BY EVAPORATION OF URANIUM WIRE. Morel, Colette ((Commissariat à l'Energie Atomique, Fontenay-aux-Roses (France). Centre d'Etudes Nucléaires)). Translated for Atomics International, Canoga Park, Calif., from report CEA-R-3473. 1512044p. Dep. NTIS.

25

26 physics 2720

28 MN-34 29P NSA

Migration Under the Effect of an Electric Field  
of Ag-110 and Sb-124 in Silver, by N. V. Doan.

39 pp.

FRENCH, per, CGA-R-3480, 1968, pp 1-39,  
\*NBS TT 70-57677

Sci-Chem  
Jul 70

Neutron Transmission in the Access Tunnels to a  
High-Energy Proton Accelerator, by  
Marguerite-Marie d'Hombres, Christian Devillers,  
23 pp.  
FRENCH, rpt., CEA-R-3491.  
AEC/ORNL/Tr-1989-68

Sci/Phy  
Mar 69

376,961

ALLOYS, Le Naour, Lucien (Commissariat à l'Energie Atomique Saclay (France), Centre d'Etudes Nucléaires). Translated for Sandia Labs., Albuquerque, N. Mex., from report CEA-R-3494, 1964  
2045p. 24Dep. NTIS.

26metallurgy; translations 2711F

28MN-25 29P NSA

Influence of Small Additions of Alloying Elements,  
by Michel Colombe. 24 pp.  
FRENCH, rpt. CEA-R-3529.  
ABC-MP-tr-69-25  
*L.P.*

Sci-Mat  
Oct 70

Contribution to the Study of the System (U,Pu)  
C, N, by Robert Lorenzelli, 71 pp.  
FRUNCI, rpt., CIA-R-3536, May 1968, pp 1-58.  
AEC/ORNL/Tr-5019-69

Sci/Nucl  
May 69

382,572

AEC (LA-4243-TR) <sup>6</sup>IMPROVING GRID IONIZATION CHAM-  
BER CHARACTERISTICS FOR ALPHA SPECTROMETRY. <sup>6</sup>Le Du,  
Rene; Miltenberger, Bernard <sup>7</sup>(Commissariat a l'Energie Atom-  
ique, Bruyeres-le-Chatel (France), Centre d'Etudes). <sup>810</sup>Trans-  
lated for Los Alamos Scientific Lab., N. Mex., from report <sup>11</sup>CEA-  
R-3566. <sup>15</sup>12p. <sup>24</sup>Dep. CFSTI.

<sup>26</sup>instrumentation; translations <sup>27</sup>18D

<sup>28</sup>STD-34 <sup>29</sup>P NSA

Diffusion and the Kirkendall Effect in the Pu-Zr  
System, by C. Remy.

FRANCII, rpt, CEA-R-3373, pp 1-52.

\*Nat Bur Stand TT 70-57928

Sci-Chem  
Jul 70

Contribution to the Study of the Diffusion at  
Infinite Dilution in the Plutonium-Nickel and  
Uranium-Aluminium Systems, by J. J. Blechet.  
FRENCH, rpt, CEA R-3577.

NLL Ref: 9091.9F (Dounreay 396)

Sci/Chem  
Mar 70

401,885

Agency: AEC/NY  
P.O. No. 69-2562

R-104JT-D  
3 June 69

Title: La Concentration Maximale Admissible  
du Radon 222 dans L'Air

Authors: Jean Hamard, Paul-George Beau  
Alain Engas

Source: Commissariat a L'Energie Atomique  
CEA-R-3583

28 pp.

Language: French

Special Instruction: pls translate and type 1  
copy only

Distribution, Atmospheric Transfer and Balance  
of Krypton-85, by Raymond Pannetier, 153 pp.  
FRENCH Thesis, CEA-R-3591, 1968.  
AEC/BNWL-Tr-34

Sci/Chem  
Oct 69

393,465

BT69-11-705T

COMMISSARIAT A L'ENERGIE ATOMIQUE, 18 OCT 68,  
Pages 1-26, OBJECTIFS - JUIN 1968

ENGLISH TITLE - LENSES - JUNE 1968

AUTHOR DE METZ, J.

Qn Processed as HT-23-447-69

(LA-tr-71-12) <sup>5</sup>SOME CRITERIA FOR CHOOSING  
PRESSES FOR THE COMPACTION OF RADIOACTIVE WASTE.  
<sup>6</sup>Seyfried, Philippe <sup>7</sup>(Commissariat à l'Energie Atomique, Chus-  
clan (France). Centre de Production de Plutonium de Marcoule).  
<sup>10</sup>Translated by Anna Vakar (Los Alamos Scientific Lab., N. Mex.),  
from report <sup>11</sup>CEA-R-3619. <sup>20</sup>21p. <sup>24</sup>Dep. NTIS.

<sup>26</sup>methods and equipment; radioactive wastes; translations <sup>27</sup>14,  
18G

<sup>28</sup>MN-70 <sup>29</sup>P NSA

Absolute Measurement of the Isotopic Ratio of a  
Water Sample with Very Low Deuterium Content,  
by Robert Hagemann.

FRENCH, rpt, CEA-R-3633, 1968.

\*AEC

June 72

Protection of Uranium With Metallic Coatings, by  
P. Baque.

FRENCH, per, CEA-R-3638, 1968, pp 1-20.

\*NBS TT 71-53057

Available NBS Only

June 71

Radiochemical Separations of Hafnium, Tantalum,  
and Germanium from Tungsten and Selenium Irradiated  
by 14 MeV Neutrons, by Joan Blachot, 10 pp.  
FRENCH, rpt, CEA-R-3678, Dec 1968.  
AEC/ORNLL-Tx-2390-70

Sci/Chem  
Oct 70

A Mathematical Model for Gastrointestinal-Tract  
Dosimetry: Application to Adults, by George Vacca,  
Jean-Pierre Bazin, 56 pp.  
FRENCH, rpt, CEA-R-3707.  
AEC/OHNL-Tr-2231-69

Sci/Method & Equip  
Dec 69 398,124

Application of Gamma Absorptometry to the Analysis  
of Uranium in Solutions, by Michel Lavaud, 27 pp.

FRENCH, rpt., CEA-R-3708.

AEC/LMB-Tr-218

Sci/Chem  
Mar 70

402,637

The Influence of a Hydrostatic Pressure on the  
Diffusion In Metals Having a Cubic Structure,  
by M. Beyeler.

FRENCH, rpt, CEA-R-3715, pp 1-135.

\*Nat Bur Stand TT 70-57938

Sci-Phys  
Jul 70

Forced Convection of Ammonia, Part II, Gaseous  
Ammonia, by Paul Perroud, J. Rebierre, 150 pp.  
FRENCH, rpt., CNA-R-3728, 1969.  
AEC/LASLUC/LA-Tr-70-12

Sci/Chem  
Sept 70

Pilot Plant for Bitumen Coating of High-Level  
Concentrates, by Jean Rodier, Guy Lefillatre,  
21 pp.

FRENCH, rpt, CEA-R-3734.  
AEC/ORNL-Tr-2183-69

Sci/Mech  
Dec 69

398,063

(UCRL-Trans-10617-11) CALCULATION OF THE  
SHOCK WAVE IN THE CLOSE-IN ZONE OF AN UNDERGROUND  
NUCLEAR EXPLOSION (CADES METHOD). Suplot, Francis;  
Brugies, Jacques. Translated for Univ. of California Lawrence  
Livermore Lab., from report CEA-R-3736. 29p. Dep.  
NTIS.

geology; nuclear explosions 8G, 18C

STD-35 P NSA

Point Defects in Nickel, by P. Paretto, 151 pp.  
FRENCH, rpt, CEA-R-3772, pp 1-150.  
\*NBS TT 70-57687

Sci-Mat  
Jul 70

Electron Microscope Study of Vacancy Clusters Produced  
by Quenching in Magnesium, by V. Levy.  
FRENCH, rpt, CEA-R-3784, 1969, pp 1-19.  
\*NTIS/NBS TT 71-55322  
Available NBS Only

July 71

Structure and Properties of  $(U, Pu)O_2$  Containing  
Non-Active Fission Products. A Simulation of  
Irradiated Nuclear Fuel, by Franz Schmitz.  
FRENCH, rpt, CEA-R-3795, 1969.

\*AEC

Sci/Prop & Fuel  
Oct 69

393,461

Behavior of Trivalent Actinides and Lanthanide Elements in Chloride Solution, by Bernard Marin,  
108 pp.  
FRENCH, rpt., CEA-R-3803, 1969.  
AEC/ORNL-Tr-234-70

Sci/Chem  
Nov 70

Vacancy Flux and Precipitation Phenomena in Kirkendall,  
by C. Monty.

FRENCH, rpt, CEA-R-3839, 1969, pp 1-85.

\*NTIS/NBS TT 71-53139

Available NBS Only

June 71

Configuration and Migration of Point Defects in Alkali Metals, by I. M. Torrens.  
FRENCH, rpt, CEA-R-3849, 1969.  
\*NTIS TT 72-53170

Aug 72

(U) (UCRL-Trans-10617-8) PHYSICS OF THE PHENOMENA IN THE CLOSE-IN ZONE AROUND UNDERGROUND NUCLEAR EXPLOSIONS. Maury, Jacques; Lovret, Clot. Translated for Univ. of California Lawrence Livermore Lab., from report CEA-R-3850. 120 p. 24 Dep. NTIS.

geology; nuclear explosions 2<sup>8</sup>G, 18C

STD-35 2<sup>9</sup>P NSA

4(BNWLS-TR-65) 5SYNTHESIS AND CRYSTALLOGRAPHIC  
STUDY OF COMPOUNDS OF THE SYSTEM  $\text{Cr}_2\text{O}_3$   $\text{Al}_2\text{O}_3$   $\text{SiO}_2$ .  
6Langlet, Gerard 7(Commissariat à l'Energie Atomique, Saclay  
(France). Centre d'Etudes Nucléaires). 819Translated from report  
11CEA-R-3859. 15120134p. 24Dep. NTIS.

26chemistry (inorganic); crystallography; translations 2707B, 20B

28MN-4 29P NSA

A Study of Point Defects Created by Electron  
Irradiation of Dilute Iron-Carbon Alloys, by

J. L. Leveque. 50 pp.

FRENCH, par, CEA-R-3857, 1969, pp 1-50,

\*NBS TT 70-57686

Sci-Mat  
Jul 70

The Code Edith-Calculation of the Dynamic and  
Thermal Characteristics of a Gas Circuit in  
Variable Flow Conditions. Application to the Study  
of the Start-up of a Reactor Under Natural Con-  
vection Flow Conditions, by J. Rousseau.  
FRENCH, rpt, CEA-R-3915, 1969.  
C.E. Trans 5373

Sci-Prop & Fuels  
Jul 70

TARASSENKO, S. Measurement of the temperature of a  
nuclear core reactor.  
CEA-R-3916. (AAEC LIB/TRANS 265)

11 (U) RL-Trans-10617-3) UNDERGROUND NUCLEAR  
EXPLOSIONS. A Study of the Zones of Fracturing. Derlich,  
Serge. Translated for Univ. of California Lawrence Livermore  
Lab., from report CEA-R-3941. 42p. Dep. NTIS.

28 geology; nuclear explosions 28G, 18C

28 STD-35 29P NSA

REF ID: A6703  
10(CRL-Trans-10617-9) CODE S CALCULATION OF  
THE EFFECTS OF CONTAINED UNDERGROUND EXPLOSIONS.  
PART ONE. METHOD OF CALCULATION. Maury, Jacques.  
10Translated for Univ. of California Lawrence Livermore Lab.,  
from report 11CEA-R-3957(1). 2095p. 22Dep. NTIS.

28geology; nuclear explosions 218G, 18C

28STD-35 29P NSA

Action of Very Short Laser Pulses on a Solid  
Target, by J.P. Babuel-Peyrissac, C. Fauquignon  
FRENCH, per. Commissariat a l'Energie Atomique,  
CEA-R-3970, April 1970.  
API/JHU-T-2542

AIR/FDO-HT-23-107-71 jpl-19 21pp

Aug 71

Measurement of Surface Potentials and  
Determination of the Free Enthalpies of  
Formation of Frenkel Defects in AgBr,  
by J. L. Crolet.  
FRENCH, rpt, CEA-R-3972, 1970, pp. 1-39.  
\*NAT BUR STAND TT 70-57955

Sci/chem  
Jul 70

11.6 (UCRL-Trans-10617-6) UNDERGROUND NUCLEAR  
EXPLORATIONS: A STUDY OF THE MINERALOGICAL TRANSFORM-  
ATIONS. Results from the Sahara Explosion Site. Faure, Jean,  
Translated for Univ. of California Lawrence Livermore Lab.,  
from report CEA-R-3990. 35p. Dep. NTIS.

28geology; nuclear explosions 28G, 18C

28STD-35 28P NSA

Radionuclide Determination by Successive Short  
Samplings--Application to the Measurement of the Con-  
centration and Disequilibrium of Radon Decay Products  
in Free and Conditioned Atmospheres.

FRENCH, rpt, CIA-R-4048, 1970.

WHTIS TT 72-58063

July 72

Determination of Small Solubilities by Measurement of  
Chemical Diffusion Coefficients. Application to the  
Nickel-Uranium System, by J. P. Zanighi.

FRENCH rpt, CEA-R 4066, 1970.

THIS IS IT 72-33109

Aug 72

4 (RDP-Tran-413) CONTRIBUTION TO THE STUDY  
OF THE MIGRATION OF  $^{106}\text{Ru}$  IN SOILS. Amy, Jean-Paul  
(Commissariat à l'Energie Atomique, Cadarache (France). Cen-  
tre d'Etudes Nucléaires). Translated for Dow Chemical Co.,  
Rocky Flats Div., from report CEA-R-4163. 204p. 24Dep. NTIS.

26 environmental studies; translations 27

28 MN-41 29 P NSA

H E C (RFP-Trans-103) <sup>5</sup>PRACTICAL USE OF THE DISTRIBUTION COEFFICIENT FOR MEASUREMENT OF RADIOACTIVE CONTAMINATION OF MINERALS IN ROCKS, SOIL, AND UNDERGROUND WATERS. <sup>6</sup>Ranzon, Daniel <sup>7</sup>(Commissariat a l'Energie Atomique, Cadarache (France). Centre d'Etudes Nucleaires). <sup>10</sup>Translated for Dow Chemical Co., Golden, Colo., from report <sup>11</sup>CEA-R-1274, <sup>152033p.</sup> <sup>24</sup>Dop. NTIS.

<sup>26</sup>health and safety; translations <sup>27</sup>06R

<sup>28</sup>MN-41 <sup>29</sup>P NSA

A. Toyta

Thermal module of nuclear fuel elements  
BRANCH, per. Commissariat à l'énergie atomique,  
Bulletin d'informations scientifiques et techniques,

No 158, Feb 1971, pp 16-22.

C.I. trans 5885

July 72

The Use of Superconductors for Storage and Discharge  
of Electrical Energy by J. Solti. 157 pp.  
[REDACTED] TPC, [REDACTED]  
MAN-TPC-13759

Sept 71

(AEC-tr-7345) ABSOLUTE MEASUREMENT OF THE  
ISOTOPIC RATIO OF A WATER SAMPLE WITH A VERY LOW  
DEUTERIUM CONTENT. Hagemann, R.; Nieff, G.; Roth, E.  
10 Translated for Savannah River Lab., Aiken, S. C., from report  
11 CEA-R-3633, 162025p. 14 Dep. NTIS.

25 Isotopes; translations  $^{27}\text{D}_\text{2}$

28 MN-22 29P NSA

Alpha-Grain Refining and Metalurgical Investigation  
of the Uranium Alloy Sicral F1 for Fuel Elements,  
by Pierre Magnier, 95 pp.  
FRENCH, rpt, Commissariat à l'Energie Atomique, Saclay  
(France). Centre d'Etudes Nucléaires). CEA-R-3905,  
1969.  
AEC/SC-T-722464

April 72

Agency: AEC/Tenn.

R-15327-8  
21 JUN 72

P.O. Number: PMM-75-79

Title: Extracts from French papers:

1. UNE SERIE PRECAMBRIENNE DU GABON: LE FRANCE-VILLIEN.
2. CONTRIBUTION A L'ETUDE SEDIMENTOLOGIQUE ET GEOCHIMIQUE DU BASSIN DE FRANCEVILLE.

Authors: 1. Francis Weber.

2. R. Faure-Mercuret

Source: 1. CEA-R-4054, pp 104-5.

2. not known

Language: French

AEC (UCRL-Trans-10574) DISTRIBUTION OF RADIOACTIVITY IN LAVA FROM THE CAVITY OF A NUCLEAR EXPLOSION. Audidiere, Pierre; Balard, Francois; Dupouy, Jean-Pierre; Van Kite, Francis (Commissariat a l'Energie Atomique, Bruyeres-le-Chatel (France). Centre d'Etudes). Translated by Margaret Burke (Univ. of California, Lawrence Radiation Lab., Livermore), from report CEA-R-4099. 22p. Dep. NTIS.

26 nuclear explosions; radioactivity; translations 27 18C, 18H

28 STD-35 29 P NSA

REVISED CARD

REF ID: A6542  
ORNL-tr-2579) STUDY OF URANIUM-TITANIUM  
ALLOYS WITH A LOW TITANIUM CONTENT (0 TO 1.5 PERCENT)  
BY WEIGHT. Llinard, Michel (Commissariat à l'Energie  
Atomique, Valduc (France). Centro d'Etudes. Translated for  
Oak Ridge National Lab., Tenn., from report CEA-R-4180. 74p.  
Dep. NTIS.

metallurgy; translations

MN-25 P NSA

(S)-T-722545) PREPARATION AND OPERATION  
OF METAL HYDRIDE NEUTRON-PRODUCING TARGETS.  
Detaint, Jacques (Commissariat a l'Energie Atomique, Grenoble  
(France). Centre d'Etudes Nucleaires). Translation of report  
CEA-R-4212. 186p. Dep. NTIS.  
Thesis. Submitted to Univ. of Grenoble, France.

particle accelerators; translations 20G

MN..28 P NSA

(ANL-Trans-931) PRACTICAL UTILIZATION OF  
THE DISTRIBUTION COEFFICIENT FOR THE MEASUREMENT  
OF THE RADIOACTIVE CONTAMINATION OF MINERALS IN  
ROCKS, SOIL AND SUBTERRANEAN WATER. (Rancon, Daniel,  
(Commissariat à l'Energie Atomique, Cadarache (France).  
Centre d'Etudes Nucléaires). Translated for Argonne National  
Lab., Ill., from report 11CEA-R-4274. 2033p. 24 Dep. NTIS.

26chemistry (analytical); environmental studies; translations 2707

28MN-4 29P NSA

Contribution to the Experimental Study of Radiation  
Transmission through Control Passages in the  
Shielding of High Energy Accelerators, by A. Rindi  
FRENCH, ryt, Commissariat à l'Energie  
Atomique, Rapport CEA-SPR/S-2728  
NTC 71-16500-20G

mar 72

(AEC-tr-7309) CRITICAL FLOW RATES IN WATER-VAPOR DIPHASIC FLOW. Final Report. Bourcier, J.; Recoreux, M.; Barriere, G.; Flamand, J. C.; Schipfer, P. (Commissariat à l'Energie Atomique, Grenoble (France). Centre d'Etudes Nucléaires). Translation of report TT No. 106. 174p. Dep. NTIS.

28engineering; translations 213

28MN-38 28P NSA

A/15 (EURFNR-811) CONTACT EFFECTS BETWEEN  
MOLTED UO<sub>2</sub> AND SODIUM AND MOLTED UO<sub>2</sub> AND WATER.  
Ambard, M.; Seznec, R.; Vernier, P.; Gouzy, A.; Najac, M.  
Commissariat à l'Energie Atomique, Grenoble (France). Centre  
d'Etudes Nucléaires. Translation of report T. T. No. 96. 261p.

24 Dep. NTIS.  
25 Work performed under United States-Euratom Fast Reactor  
Exchange Program.

26 reactor cooling; reactor fuels; translations 2718I, 18J

28 MN-25 29 P NSA

REVISED CARD

Manual of the Experimental  
DUTCH, per, Commissie van Proefneming, Part XA,  
Chapter 2-1, pp 1-19. 9696283  
FSTC 881-T64-72

Sci - Phys  
Mar 65

276,315